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PN - JP60021440 A 19850202  
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 PR - JP19830128920 19830715  
 OPD - 1983-07-15  
 TI - METHOD FOR MEASURING DISTRIBUTION OF LOCAL VOID RATE  
 IN - IIZUKA MASARU  
 PA - TOKYO SHIBAURA ELECTRIC CO  
 EC - G01N23/12  
 IC - G01N23/06 ; G21C17/02  
 CT - JP58123950 A [ ]

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TI - Measuring void ratio distribution of gas-liq. phase flow - has detector for e.g X-rays radiated from source through two-phase flow  
 PR - JP19830128920 19830715  
 PN - JP60021440 A 19850202 DW198511 006pp  
 PA - (TOKE ) TOSHIBA KK  
 IC - G01N23/06 ; G21C17/02  
 AB - J60021440 Method is claimed to measure the local void ratio distribution of a gas liq.-phase flow in a nuclear reactor. A detector for detecting X-rays or gamma rays radiated from a source through the 2-phase flow is scanned to measure the distribution, together with the source.  
 - Before starting the measurement, the projection data collection time is determined in advance. Based on this time, a controller for controlling a drive for scanning the detector and source is operated to control the drive.(0/8)  
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- B
- PURPOSE: To measure the distribution of a local void rate accurately, by measuring a time when projection data is converged to a constant value in advance, and performing the measurement at this timing.
  - CONSTITUTION: A density meter 118 for X rays or gamma rays is arranged so as to hold a pipe 111, in which a sample to be checked flows. A time, when projection data is converged into a constant value, is measured in advance by the density meter 118, and a collecting time of the projection data is determined. Based on the determined collecting time, a CT scanner device 112 is actuated and the measurement is started. Namely, a driving device 116 is controlled by a control device 117, a radiation source 113, which generates X rays or gamma rays, and a detector 114 are made to scan, and the distribution of a local void rate in the pipe 111 is measured. Thus the distribution of the local void rate can be measured accurately.
- I
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